

CLAIM AMENDMENTS

1 1. (currently amended) A system for preventing
2 accidents in the operation of a monitored machine or apparatus
3 carried by a user, the system comprising:

4 at least one user end device or terminal in direct
5 contact with the body of the user with output means for
6 continuously or periodically transmitting an authorizing user data
7 signal [[s]] through the body of the user, and

8 at least one signal receiver assigned to the monitored
9 apparatus or machine and having

10 interface means in contact with the body of the user

11 for receiving the authorizing data signal [[s]]

12 transmitted through the body of the user,

13 means for continuously or periodically testing the

14 received data signal [[s]],

15 means for outputting a clearance signal that allows

16 operation of the monitored machine or apparatus

17 after a successful test of the received

18 authorizing user data signal, and

19 means for terminating output of the clearance signal

20 following a successful test of the authorizing

21 user [[ation]] data signal [[,]] when a

22 subsequent test [[s]] of the authorization data

23 signal fails.

1 2. (currently amended) The system according to claim 1
2 wherein the output means ~~of the user end device or terminal~~
3 ~~comprises coupling means for the functions inductively or~~
4 ~~capacitively coupling of the authorizing user data signal through~~
5 the body of the user.

1 3. (currently amended) The system according to claim 1
2 in which the output means of the user end device or terminal has a
3 contact region for direct coupling of the authorizing user data
4 signal to the body of the user or a signal output for transmitting
5 the authorizing data signal [[s]] to a device directly connected
6 with the body of the user.

7 4. (previously presented) The system according to claim
8 1 in which the user end device or terminal is equipped and
9 programmed to transmit signals comprising a code giving
10 authorization to the user and control commands for controlling the
11 signal receiver.

1 5. (previously presented) The system according to claim
2 1 in which the interface means of the signal receiver comprises
3 contact-sensitive means for receiving the signals from the user end
4 device or terminal upon contact of the contact-sensitive means with
5 the user.

1 6. (currently amended) The system according to claim 1
2 in which the interface means of the signal receiver has inductive
3 or capacitive means for receiving the signals of the user end
4 device or terminal by means of inductive or capacitive signal
5 transmission.

1 7. (previously presented) The system according to claim
2 1 in which the means of the signal receiver for testing the
3 authorizing data signal comprise a correspondence register with at
4 least two storage or memory locations or data for testing the
5 authorizing data signal.

1 8. (currently amended) The system according to claim 1
2 wherein the signal receiver is equipped and programmed depending
3 upon the signal received from the user end device or terminal to
4 access data for testing the ~~data to serve as~~ authorization data
5 signal.

1 9. (previously presented) The system according to claim
2 1 wherein the user end device is arranged in or on protective
3 clothing.

10 - 14. (canceled)

1 15. (currently amended) Protective clothing ~~, like for~~
2 ~~example a protective helmet, protective glasses or goggles, safety~~
3 ~~shoes and the like with the user end device or terminal according~~
4 ~~to claim 10~~ with the system of claim 1.

1 16. (currently amended) A ~~device or apparatus like a~~
2 household appliance, electric and mechanical tool, or machine tool
3 ~~or the like with the signal receiver according to claim 13~~ system
4 of claim 1.

1 17. (currently amended) The system defined in claim 1,
2 further comprising:
3 a hand grip having
4 a body including a hand grip outer surface
5 engageable by an inner surface of a hand of the
6 user and having a segment forming a hand rest
7 for the hand inner surface, and
8 in the region of the hand inner surface ~~[[rest]]~~ at
9 least one pressure-sensitive zone for
10 generating a signal indicating the hand grip
11 gripping state and constituting the authorizing
12 ~~at least one of the authorizing data signal~~
13 ~~[[s]].~~

1 18. (previously presented) The hand grip of claim 17
2 wherein the surface has a plurality of the pressure-sensitive
3 zones.

1 19. (currently amended) The hand grip according to
2 claim 17 wherein the pressure-sensitive zone forms part of a fluid
3 pressure chamber system.

1 20. (previously presented) The hand grip according to
2 claim 19 wherein the pressure-sensitive zone is formed by an
3 elastically deformable pressure chamber wall.

1 21. (previously presented) The hand grip according to
2 claim 19 wherein the pressure chamber is filled with a liquid, gel
3 or gas.

1 22. (currently amended) The hand grip according to
2 claim 19 wherein the pressure chamber is coupled with a switch
3 device.

1 23. (previously presented) The hand grip according to
2 claim 19 wherein the pressure chamber is coupled with a pressure-
3 measurement device.

1 24. (currently amended) The hand grip according to
2 claim 17 wherein the hand grip in the region of the hand inner
3 surface rest has pressure-sensitive zones in the hand [[ball]] rest
4 region and in a finger inner surface rest region.

1 25. (previously presented) The hand grip according to
2 claim 17 wherein in the region of the hand grip a plurality of
3 individual finger inner surface pressure-sensitive zones are
4 provided.

1 26. (previously presented) The hand grip according to
2 claim 17, further comprising in the region of the hand grip an
3 orientation-detecting device.

1 27. (previously presented) The hand grip according to
2 claim 17 wherein the hand grip is a hand grip of a drill.

28. (canceled)

1 29. (currently amended) The hand grip according to
2 claim [[28]] 1, wherein the output means is so configured that it
3 effects a signal coupling on the basis of electrostatic
4 interaction.

1 30. (previously presented) The hand grip according to
2 claim 17, further comprising a signal-modulating device for the
3 modulation of the authorizing data signal.

1 31. (currently amended) The hand grip according to
2 claim [[17]] 30, wherein the signal is so modulated that it
3 contains a [[dated]] data telegram.

1 32. (currently amended) A power tool with a housing, a
2 first hand grip according to claim 17, a second hand grip also
3 according to claim 17 and a device for detecting the gripping state
4 for producing a signal indicating the gripping state of the tool
5 and for generating the clearance signal only when both of the hand
6 grips are gripped.